

What is claimed is:

- 1 1. A method for establishing a connection between wireless devices, comprising:
- 2 (a) performing an inquiry;
- 3 (b) performing an inquiry scan for a random duration following said
- 4 inquiry; and
- 5 (c) establishing the connection after receiving a device address in
- 6 response to said inquiry.
- 1 2. The method of claim 1, wherein said inquiry has a fixed duration.
- 1 3. The method of claim 1, wherein said operation (c) comprises paging said device
- 2 address.
- 1 4. The method of claim 1, wherein said method further comprises (d) establishing
- 2 the connection after receiving an inquiring device inquiry during said inquiry
- 3 scan.
- 1 5. The method of claim 4, wherein said method further comprises performing a
- 2 page scan while performing said inquiry scan.
- 1 6. The method of claim 5, wherein said operation (d) comprises responding with a
- 2 second device address upon receiving said inquiring device inquiry, and if said
- 3 second device address is paged during said page scan, establishing the
- 4 connection.
- 1 7. A method for establishing a connection between wireless devices, comprising:
- 2 (a) performing inquiries at random intervals;
- 3 (b) performing an inquiry scan and a page scan when not performing
- 4 said inquiries;
- 5 (c) upon receiving a first device address in response to one of said
- 6 inquiries, paging said first device address to establish the connection;
- 7 and
- 8 (d) upon receiving an inquiring device inquiry during said inquiry scan,
- 9 responding with a second device address, and if said second device
- 10 address is paged during said page scan, establishing the connection.

1 9. The method of claim 7, wherein the wireless devices are not assigned
2 client/server roles prior to establishing the connection.

1 11. The method of claim 10, wherein said re-establishing is attempted a number of
2 attempts until the connection is re-established, and if the connection is not re-
3 established, returning to operation (a).

1 ~~13.~~ A method for establishing a connection between a first wireless device and a
2 second wireless device, comprising:

6 (b) at the second wireless device, performing second inquiries at random
7 intervals and performing second inquiry scans when not performing
8 said second inquiries; and

1 14. The method of claim 13, wherein said first inquiries have a first fixed duration,
2 and said second inquiries have a second fixed duration.

1 15. The method of claim 13, wherein the first wireless device and the second
2 wireless device are not assigned client/server roles prior to establishing the
3 connection.

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4 (b1) at the second wireless device, performing second page scans while
5 performing said second inquiry scans.

4 (c2) paging the first wireless device using said first device address,
5 thereby establishing the connection.

1 18. The method of claim 13, further comprising (d) assigning a server role to the
2 first wireless device and a client role to the second wireless device, and if the
3 connection is lost, re-establishing the connection using said client role and said
4 server role.

1 19. The method of claim 18, wherein said re-establishing comprises paging the first
2 wireless device, wherein said paging is repeated a first number of attempts until
3 the connection is re-established, and if the connection is not re-established,
4 returning to operation (a).

3 means for performing inquiries at random intervals;
4 means for performing inquiry scans and page scans when not performing said
5 inquiries; and

6 means for paging a responding device to establish the wireless link upon
7 receiving a first device address in response to one of said inquiries, wherein said first
8 device address identifies said responding device.

2 means for providing a second device address upon receiving a discovering
3 device inquiry during one of said inquiry scans, wherein said second device address
4 identifies the wireless device; and

